**Supplemental Table A. Responses1 to end-of-study questionnaire, by study arm.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Control n (%)** | **Intervention n (%)** | **P** |
| It was easy to get a test if I wanted to·  |  |  |  |
| Disagree2 | 67 (50·0) | 63 (50·0) |  |
| Unsure |  4 (3·0) | 10 (7·9) |  |
| Agree | 63 (47·0) | 53 (42·1) | 0·191 |
| I should have had more tests over the past year· |  |  |  |
| Disagree | 50 (37·3) | 48 (38·1) |  |
| Unsure | 22 (16·4) | 16 (12·7) |  |
| Agree | 62 (46·3) | 62 (49·2) | 0·690 |
| I did not need HIV/syphilis tests in the past year· |  |  |  |
| Disagree | 109 (85·2) | 89 (78·1) |  |
| Unsure | 8 (6·3) | 8 (7·0) |  |
| Agree | 11 (8·6) | 17 (14·9) | 0·286 |
| Travelling to get a test takes too long· |  |  |  |
| Disagree | 73 (54·5) | 67 (53·2) |  |
| Unsure | 14 (10·5) | 15 (11·9) |  |
| Agree | 47 (35·1) | 44 (34·9) | 0·930 |
| Waiting in clinics for a test takes too long· |  |  |  |
| Disagree | 37 (28·0) | 43 (34·4) |  |
| Unsure | 12 (9·1) | 25 (20·0) |  |
| Agree | 83 (62·9) | 57 (45·6) | 0·008 |
| It costs too much to get a test· |  |  |  |
| Disagree | 106 (84·1) | 89 (78·8) |  |
| Unsure | 11 (8·7) | 15 (13·3) |  |
| Agree | 9 (7·1) | 9 (8·0) | 0·498 |
| I don’t like waiting a week for the result· |  |  |  |
| Disagree | 31 (24·6) | 22 (19·5) |  |
| Unsure | 19 (15·1) | 16 (14·2) |  |
| Agree | 76 (60·3) | 75 (66·4) | 0·580 |

1. 260 responses from 402 participants who completed one year of follow-up (64.7%).

2. Disagree = disagree or strongly disagree. Agree = agree or strongly agree.

**Supplemental Table B. Responses1 to end-of-study questions about the intervention from users and non-users of pathology forms. The forms allowed HIV and syphilis tests without medical consultations.**

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| --- | --- | --- | --- |
|  | **Non-users n/N (%)** | **Users n/N (%)** | **P** |
| I lost or forgot about the Melbourne Pathology forms· |  |  |  |
| Disagrees2 | 35/85 (41·2) | 28/36 (77·8) |  |
| Unsure | 8/85 (9·4) |  2/36 (5·6) |  |
| Agrees | 42/85 (49·4) | 6/36 (16·7) | 0·001 |
| I prefer to see a doctor/nurse and have swabs/urine tests· |  |  |  |
| Disagrees | 19/85 (22·4) | 16/36 (28·9) |  |
| Unsure | 14/85 (16·5) | 11/36 (30·6) |  |
| Agrees | 52/85 (61·2) | 9/36 (25·0) | 0·001 |
| I often need more medical care than just a blood test· |  |  |  |
| Disagrees | 44/85 (51·8) | 17/36 (47·2) |  |
| Unsure | 19/85 (22·4) | 6/36 (16·7) |  |
| Agrees | 22/85 (25·9) | 13/36 (36·1) | 0·493 |
| I did not find a Melbourne Pathology centre when/where I needed it |  |  |  |
| Disagrees | 32/74 (43·2) | 27/34 (79·4) |  |
| Unsure | 29/74 (39·2) | 5/34 (14·7) |  |
| Agrees | 13/74 (17·6) | 2/34 (5·9) | 0·002 |
| I was not sure Melbourne Pathology would be gay-friendly |  |  |  |
| Disagrees | 36/74 (48·7) | 26/34 (76·5) |  |
| Unsure | 24/74 (32·4) | 5/34 (14·7) |  |
| Agrees | 14/74 (18·9) | 3/34 (8·8) | 0·025 |
| I was not sure Melbourne Pathology would be confidential |  |  |  |
| Disagrees | 50/74 (67·6) | 29/34 (85·3) |  |
| Unsure | 20/74 (27·0) | 4/34 (11·8) |  |
| Agrees | 4/74 (5·4) | 1/34 (2·9) | 0·153 |
| Using Melbourne Pathology was quicker than going to a doctor or clinic· |  |  |  |
| Disagrees | 7/74 (9·5) | 2/34 (5·9) |  |
| Unsure | 56/74 (75·7) | 2/34 (5·9) |  |
| Agrees | 11/74 (14·9) | 30/34 (88·2) | <0·001 |
| I could easily get to a Melbourne Pathology collection centre· |  |  |  |
| Disagrees | 6/74 (8·1)  | 4/34 (11·8) |  |
| Unsure | 35/74 (47·3) | 1/34 (2·9) |  |
| Agrees | 33/74 (44·6) | 29/34 (85·3) | <0·001 |
| It was cheaper than going to the GP· |  |  |  |
| Disagrees | 6/74 (8·1) | 4/34 (11·8) |  |
| Unsure | 50/74 (67·6) | 6/34 (17·7) |  |
| Agrees | 18/74 (24·3) | 24/34 (70·6) | <0·001 |
| I liked not having to talk to a nurse or doctor· |  |  |  |
| Disagrees | 20/74 (27·0) | 6/34 (17·7) |  |
| Unsure | 47/74 (63·5) | 16/34 (47·1) |  |
| Agrees | 7/74 (9·5) | 12/34 (35·3) | 0·005 |

1. Response rate varies between 36/49 (73.5%) and 34/49 (69.4%) for users of pathology forms and 85/164 (51.8%) and 74/164 (45.1%) for non-users.
2. Disagree = disagree or strongly disagree. Agree = agree or strongly agree.

**Supplemental Table C. Incidence rates of HIV testing in subgroups who reported difficulties with obtaining a test in the baseline questionnaire. The response “Agree” or “Disagree” was selected for analysis when it represented a potential barrier to testing.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Intervention arm (n=210)1** | **Control arm (n=207)** |  |  |
| Question and response defining the subgroup· | n (%) | Tests/year (95% CI) | N (%) | Tests/year (95% CI) | Incidence rate ratio (95% CI) | P |
| Going to a local doctor to get an HIV/syphilis blood test is expensive for me – Agree | 73 (34·8) | 2·19 (1·87, 2·57) | 77 (37·2) | 2·18 (1·87, 2·54) | 1·01 (0·77, 1·32) | 0·95 |
| Getting an appointment with the local doctor (GP) for HIV/syphilis blood tests is easy for me – Disagree | 63 (30·0) | 2·31 (1·96, 2·72) | 74 (35·7) | 2·55 (2·21, 2·94) | 0·91 (0·70, 1·20) | 0·51 |
| Generally I do not have to spend too long in the local doctor’s waiting room before being seen – Disagree | 85 (40·5) | 2·23 (1·93, 2·57) | 85 (41·1) | 2·24 (1·95, 2·59) | 1·00 (0·78, 1·28) | 0·97 |
| I do not have to wait too long at the Melbourne Sexual Health Centre before being seen – Disagree | 77 (36·7) | 2·27 (1·95, 2·64) | 88 (42·5) | 2·35 (2·05, 2·70) | 0·97 (0·76, 1·24) | 0·81 |
| I would normally want to have my HIV/syphilis blood tests near my home – Agree | 155 (73·8) | 2·13 (1·91, 2·38) | 165 (79·7) | 2·20 (1·98, 2·44) | 0·97 (0·81, 1·17) | 0·77 |
| If I could have HIV/syphilis blood tests without waiting to see a doctor/nurse, I would have them more often -Agree | 143 (68·1) | 2·32 (2·08, 2·59) | 134 (64·7) | 2·16 (1·92, 2·42) | 1·08 ( 0·88, 1·32) | 0·46 |
| If I could have HIV/syphilis tests at pathology centres closer to home or work, I would have them more often - Agree | 178 (84·8) | 2·30 (2·08, 2·54) | 172 (83·1) | 2·12 (1·91, 2·34) | 1·08 (0·91, 1·29) | 0·37 |

CI confidence interval GP general practitioner

1. No responses from five men.